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10/516,786	12/03/2004	Wolfgang Edeler	915-006.066	7338

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EXAMINER

DOAN, KIET M

ART UNIT

PAPER NUMBER

2617

DATE MAILED: 04/18/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/516,786

Applicant(s)

EDELER ET AL.

Examiner

Kiet Doan

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 03 December 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-16 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 03 December 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>12/03/04</u> . | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Claim Objections***

**Claim 1** is objected to because of the following informalities: claim1, examiner believes the phrases "wherein said audio connector (2)" should be written as "wherein said audio connector (**20**)". Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

**1. Claim 1-2** are rejected under 35 U.S.C. 102(e) as being anticipated by Osano (Patent No. 6,961,591).

Consider **claim 1**. Osano teaches mobile electronic device, having a radio receiver (28) (C7, L36-45, Fig.6, No.41, Illustrate radio receiver), an amplifier (24) (C1, L61-67, Fig.2, No.2, Illustrate amplifier) and an audio connector (20) for connecting to a headphone (2) (Fig.1, No.20 Illustrate as audio connector for connecting to a headphone), wherein said audio connector (2) comprises at least one first contact and at least one second contact, wherein said first contact is connected to ground and to said radio receiver (28), and said second contact is connected to said amplifier (24), characterized by a band-pass filter component (26) interconnected between said first contact and said radio receiver (28) (C10, L43-67, C11, L1-10, Fig. 8A-8C, Illustrate

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wherein said first contact is connected to ground and to said radio receiver and contact to amplifier, further C7, L45-67 teach demodulation processing means as band-pass filter component).

Consider **claim 2**. Osano teaches mobile electronic device according to claim 1, wherein said band-pass filter component (26) comprises a capacitor (42) connected between said first contact and ground (C9, L30-33, C10, L8-24, Fig.7 Illustrate capacitor as C1, C2 and contact and ground).

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

**2. Claim 3-7 and 14** are rejected under 35 U.S.C. 103(a) as being unpatentable over Osano (Patent No. 6,961,591) in view Svetanoff (Patent No. 4,897,618).

Consider claim 3, Osano teach the limitation of claim as discuss **but silent on** mobile electronic device according to claim 1, wherein said band-pass filter component (26) is an oscillating circuit composed of an inductor (22) and a capacitor (42).

In an analogous art, Svetanoff teaches " Harmonic frequency selecting circuit". Further, **Svetanoff teaches** mobile electronic device according to claim 1, wherein said band-pass filter component (26) is an oscillating circuit composed of an inductor (22) and a capacitor (42) (C1, L48-58, C2, L13-63, Fig.1, Illustrate oscillating circuit wherein contain band-pass filter component an inductor and a capacitor).

Therefore, it would have been obvious at the time that the invention was made that person having ordinary skill in the art to modify Osano and Svetanoff system, such that an oscillating circuit composed of an inductor and a capacitor that to provide means for balance audio and sending stereo output to head phone/set.

Consider **claim 4**. Osano teaches mobile electronic device according to claim 3, wherein transmitted frequencies of the band-pass filter component (26) are within a radio frequency range, and suppressed frequencies comprise mobile phone frequencies and audio frequencies (C11, L33-43 teach frequency range).

Consider **claims 5 and 14**. Svetanoff teaches mobile electronic device according to claim 2, wherein said capacitor (42) has a capacity between 10 pF and 100 pF (C2, L51-53).

Consider **claim 6**. Osano teaches mobile electronic device according to claim 1, wherein said device comprises a mobile telephone (Fig.1, No.10 Illustrate as mobile telephone)

Consider **claim 7**. Mobile electronic device according to claim 1, wherein said radio receiver (28) further comprises a television receiver (examiner take official notice that the radio receiver further comprises a television receiver is well know in the art).

**3. Claim 8-13, 15-16** are rejected under 35 U.S.C. 103(a) as being unpatentable over Osano (Patent No. 6,961,591) in view Svetanoff (Patent No. 4,897,618) and further view of Ito (Patent No. 6,203,344).

Consider **claim 8**. Osano and Svetanoff teach the limitation of claim as discuss

above **but silent on** mobile electronic device according to claim 1, further comprising a media player (30).

In an analogous art, Ito teaches "Jack, reproducing apparatus and data communication system". Further, **Ito teaches** mobile electronic device according to claim 1, further comprising a media player (30) (C4, L54-60, Fig. 1, Illustrate No.200 as a media player).

Therefore, it would have been obvious at the time that the invention was made that person having ordinary skill in the art to modify Osano, Svetanoff and Ito system, such that mobile electronic device further comprising a media player to provide means for device playing music which the users can listen in stereo quality.

Consider **claim 9**. Ito teaches mobile electronic device according to claim 8, wherein said media player (30) includes a media recorder (C4, L13-54, Fig.1, No1. Illustrate as media recorder).

Consider **claim 10**. Osano teaches Mobile electronic device according to claim 1, wherein said audio connector comprises at least one third contact connected to a component of said electronic device (Fig.12, Illustrate as audio connector No.86 as at least one third contact connected to a component of said electronic device).

Consider **claim 11**. Osano teaches mobile electronic device according to claim 6, wherein said third contact is connected to a mobile phone component of said mobile electronic device, to provide a headset for the mobile phone within said mobile electronic device (Fig.12, Illustrate the limitation of claim and description).

Consider **claim 12**. Osano teaches mobile electronic device according to claim 10, wherein said third contact is connected to control components of said mobile electronic device, to provide a remote control functionality for the mobile electronic device (C14, L48-67, C15, L1-24, Fig.12 Illustrate the limitation of claim and description).

Consider **claim 13**. Osano teaches mobile electronic device according to claim 1, further comprising a DC blocking capacitor (40) interconnected between said first contact and said radio receiver (28) (C12, L25-48, Fig.10B).

Consider **claim 15**. Osano teaches mobile electronic device according to claim 10, wherein said third contact is connected to a mobile phone component of said mobile electronic device, to provide a headset for the mobile phone within said mobile electronic device (Fig.12, Illustrate the limitation of claim).

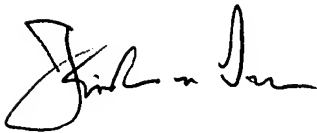
Consider **claim 16**. Osano teaches mobile electronic device according to claim 11, wherein said third contact is connected to control components of said mobile electronic device, to provide a remote control functionality for the mobile electronic device (Fig.12, Illustrate the limitation of claim and describe).

### ***Conclusion***


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kiet Doan whose telephone number is 571-272-7863. The examiner can normally be reached on 8am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, George Eng can be reached on 571-272-7495. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Kiet Doan  
Patent Examiner



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